

As of 2011-11-21

CONTACTOR RELAY, LATCHED, 4-POLE, 4 NO, SIZE S00,
AC 230 V, 50/60 HZ



General details:	
Product brand name	SIRIUS
product designation	contactor relay
Size of the contactor	S00
Protection class IP / on the front	IP20
Degree of pollution	3
Insulation voltage / with degree of pollution 3 / rated value	V 690
Installation altitude / at a height over sea level / maximum	m 2,000
Ambient temperature	
• during transport	°C -55...80
• during storage	°C -55...80
• during operating	°C -25...60
Resistance against shock	10g / 5 ms and 5g / 10 ms
Impulse voltage resistance / rated value	kV 6
Item designation	
• according to DIN EN 61346-2	K
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750	K
Mechanical operating cycles as operating time	
• of the contactor / typical	30,000,000
• of the contactor with added auxiliary switch block / typical	10,000,000
• of the contactor with added electronics-compatible auxiliary switch block / typical	5,000,000

Control circuit:		
Type of voltage / of the controlled supply voltage	AC	
Control supply voltage frequency	Hz	50
<ul style="list-style-type: none"> 1 / rated value 2 / rated value 	Hz	60
Control supply voltage / 1	V	230
<ul style="list-style-type: none"> at 50 Hz for AC / rated value at 60 Hz for AC / rated value 	V	230
Working range factor supply voltage rated value / of the magnet coil		0.8...1.1
<ul style="list-style-type: none"> at 50 Hz for AC at 60 Hz for AC 		0.85...1.1
Apparent pull-in power / of the solenoid / for AC	V·A	27
Apparent holding power / of the solenoid / for AC	V·A	4.6
Inductive power factor		0.8
<ul style="list-style-type: none"> with the pull-in power of the coil with the pull-in power of the coil 		0.27

Auxiliary circuit:		
Product extension / auxiliary switch	Yes	
Identification number and letter for switching elements	40 E	
Contact reliability / of the auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)	
Number of NC contacts / for auxiliary contacts	0	
<ul style="list-style-type: none"> delayed switching instantaneous switching asynchronous switching lagging switching 	0	
Number of NO contacts / for auxiliary contacts	4	
<ul style="list-style-type: none"> instantaneous switching delayed switching asynchronous switching leading switching 	4	
Number of changeover contacts	0	
<ul style="list-style-type: none"> for auxiliary contacts of the auxiliary contacts / instantaneous switching 	0	
Operating current / of the auxiliary contacts	A	10
<ul style="list-style-type: none"> at AC-12 / maximum at AC-15 at 230 V at 400 V at 500 V at 690 V with 1 current path at DC-12 at 24 V at 110 V at 220 V at DC-13 at 24 V at 110 V 	A	6
	A	3
	A	2
	A	1
	A	10
	A	3
	A	1
	A	10
	A	1

- at 220 V

A 0.22

Short-circuit:

Design of the fuse link / for short-circuit protection of the auxiliary switch / required fuse gL/gG: 10 A

Installation/mounting/dimensions:

Built in orientation		with vertical mounting surface +/-180° rotatable, with vertical mounting surface +/- 30° tiltable to the front and back
Type of mounting		screw and snap-on mounting
Width	mm	90
Height	mm	57.5
Depth	mm	72
Distance, to be maintained, to the ranks assembly / sideways	mm	0

Connections:

Design of the electrical connection / for auxiliary and control current circuit screw-type terminals

Type of the connectable conductor cross-section

- for AWG conductors / for auxiliary contacts 2x (20 ... 16), 2x (18 ... 14), 1x 12

Certificates/approvals:

Verification of suitability CSA / UL / CCC / GL / LRS / BV / DNV / RMRS / RINA

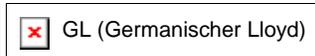
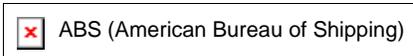
General Product Approval



ROSTEST



Shipping Approval



other
Manufacturer

Safety:

Proportion of dangerous failures		
<ul style="list-style-type: none"> • with high demand rate / according to SN 31920 	%	75
<ul style="list-style-type: none"> • with low demand rate / according to SN 31920 	%	40
T1 value / for proof test interval or service life / according to IEC 61508	a	20
Protection against electrical shock		finger-safe
B10 value / with high demand rate / according to SN 31920		1,000,000

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

CAX-Online-Generator

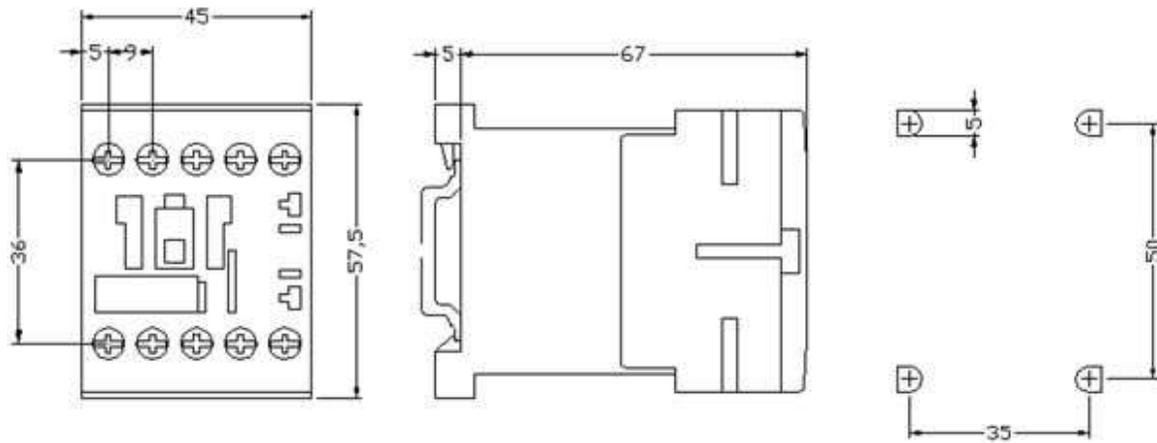
<http://www.siemens.com/cax>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RH1440-1AP00/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3RH1440-1AP00



last change:

Oct 24, 2011